

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/29/98

Date Received: 05/14/98

Project: Metro Self-Monitor, PO# M11049

Date Samples Extracted: 05/28/98

Date Extracts Analyzed: 05/28/98

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE  
FOR CHROMIUM, COPPER, NICKEL, ZINC  
USING METHOD 6010**

**Samples Processed Using Method 3005A  
Results Reported as mg/L (ppm)**

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M11049	0.68	0.37	0.60	0.07
Method Blank	<0.05	<0.05	<0.05	<0.05

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**QUALITY ASSURANCE RESULTS  
FOR TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

Laboratory Code: 805060-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.68	0.67	1	0-20
Copper	mg/L (ppm)	0.37	0.36	3	0-20
Nickel	mg/L (ppm)	0.60	0.60	0	0-20
Zinc	mg/L (ppm)	0.07	0.07	0	0-20

Laboratory Code: 805060-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	0.68	93	94	80-120	1
Copper	mg/L (ppm)	5	0.37	94	99	80-120	5
Nickel	mg/L (ppm)	10	0.60	94	97	80-120	3
Zinc	mg/L (ppm)	5	0.07	95	97	80-120	2

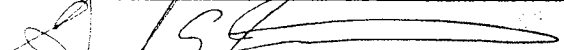
Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	103	105	80-120	2
Copper	mg/L (ppm)	5	103	106	80-120	3
Nickel	mg/L (ppm)	10	104	104	80-120	0
Zinc	mg/L (ppm)	5	104	104	80-120	0



805060

~~125~~ mm 5.14.98 AI

Send Report To: Alaskan Copper Works Contact Gerard A. Thompson  
Company 628 Harding St  
Address Seattle WA 98134  
City, State, Zip (206) 382-8379 FAX # (206) 382-4309 Date 5-14-98  
Phone #

SITE NO.		PROJECT NAME		PURCHASE ORDER #	
7238		metro self monitor		M 11049	
SAMPLERS (signature)			PROJECT LOCATION		
			3200 6th Ave S.		
REMARKS			SAMPLE DISPOSAL INFORMATION		
			<input type="checkbox"/> Dispose after 30 days <input checked="" type="checkbox"/> Return Samples <input type="checkbox"/> Call for Instructions		

[illegible]

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: 	GERALD A. Thompson	ACW	5/14/98	10:57PM
Received by: 	KURT JOHNSON	FBI, I	5/14/98	1:05PM
Relinquished by:				
Received by:				

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D.  
Charlene Jensen, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

May 29, 1998

**DUPLICATE COPY**

**INVOICE #98ACU0529-2**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford St.  
Seattle, WA 98134

RE: Project Metro Self-Monitor, PO# M11049: Results of testing requested  
by Gerry Thompson for material submitted on May 14, 1998.

1 water sample analyzed for  
Chromium, Copper, Nickel, and Zinc  
using Method 6010 @ \$65 per sample

\$ 65.00

Amount Due .....

\$ 65.00

FEDERAL TAX ID (b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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May 29, 1998

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford St.  
Seattle, WA 98134

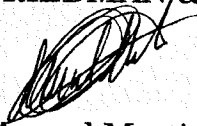
Dear Mr. Thompson:

Included are the results from the testing of material submitted on May 14, 1998 from your Metro Self-Monitor, PO# M11049 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Manuel Marti  
Project Manager

Enclosures  
ACU0529R.DOC